

Specifications for construction of Safe Haven Solid Core Door- Quantity 10 doors

Specifications:

1. Frame - The door frame to be fabricated in 50x150x4mm hollow section (HS), Mild Steel (MS); with 10x38mm flat-bar door stopper beading. The frame should flow the size of previously removed door opening.
2. Anchors - The frame to go to a depth of at least 50mm below the floor level and fixed T-steel lugs at least 100mm long to the masonry wall. The grill must be welded to lintel reinforcement, with at least two (2) metal bars from the frame to the reinforcement.
3. Door –
 - a. The door panel to be fabricated in Mninga plain solid core panel, 43mm thick. The wood slats must be jointed with wood dowels and Polyurethane wood glue.
 - b. The Mninga door must be fitted in 43x30x4mm thick C-channel framing. The Mninga panel to flash on both sides of the C-channel.
 - c. The mild steel flat-sheet, 4mm thick to be welded to C-channel at the rear side of the door. The sheet to be screwed to the solid core Mninga panel with 1¼"x10 screws in three equal rows at 200mmc/c, counter-sunk, weld-spot and grinded to finish. Also to be screwed along the front trim at 200mm c/c.
4. Hinges - The door to be installed on four 125mm power load hinges type UNION ASSA ABLOY HN-601-U-SSF or approved equivalent.
5. Hinge Bolts - Three (3) hinge stoppers (16mmx25mm long) must be installed on the door C-channel.
6. Locks –
 - a. A multi bolt security lock type UNION 3301-AA-11 or approved equivalent must be installed.
 - b. Two (2) sliding bolts type Sergeant & Greenleaf SM181 must be installed at the top and bottom. RSO will provide the sliding locks.
7. Door Viewer – One (1) wide angle door viewer must be installed to provide one way viewing.
8. Finishing –
 - a. All metal parts must be sanded and applied with two coats of primer and auto-paint to match the color of the wooden part.
 - b. The woodwork must be sanded and applied with two (2) coats of wood vanish.

General Requirements:

9. All works shall be of the highest standard. All material and equipment required shall be of the highest quality. Sample of the material must be provided for approval before installation/application (i.e. including the paint to be applied).
10. The door must operate smoothly, easily, properly, and without binding. Locks should engage accurately and securely without forcing or binding.
11. Any damaged finishes must be repaired/repainted during the installation time.

REAR SIDE





